United States
Department of
Agriculture

**Soil
Conservation
Service**

Boise,
Idaho

Idaho
Water Supply Outlook

April 1, 1987

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 97102
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

Idaho
Water Supply Outlook

and

Federal — State — Private
Cooperative Snow Surveys

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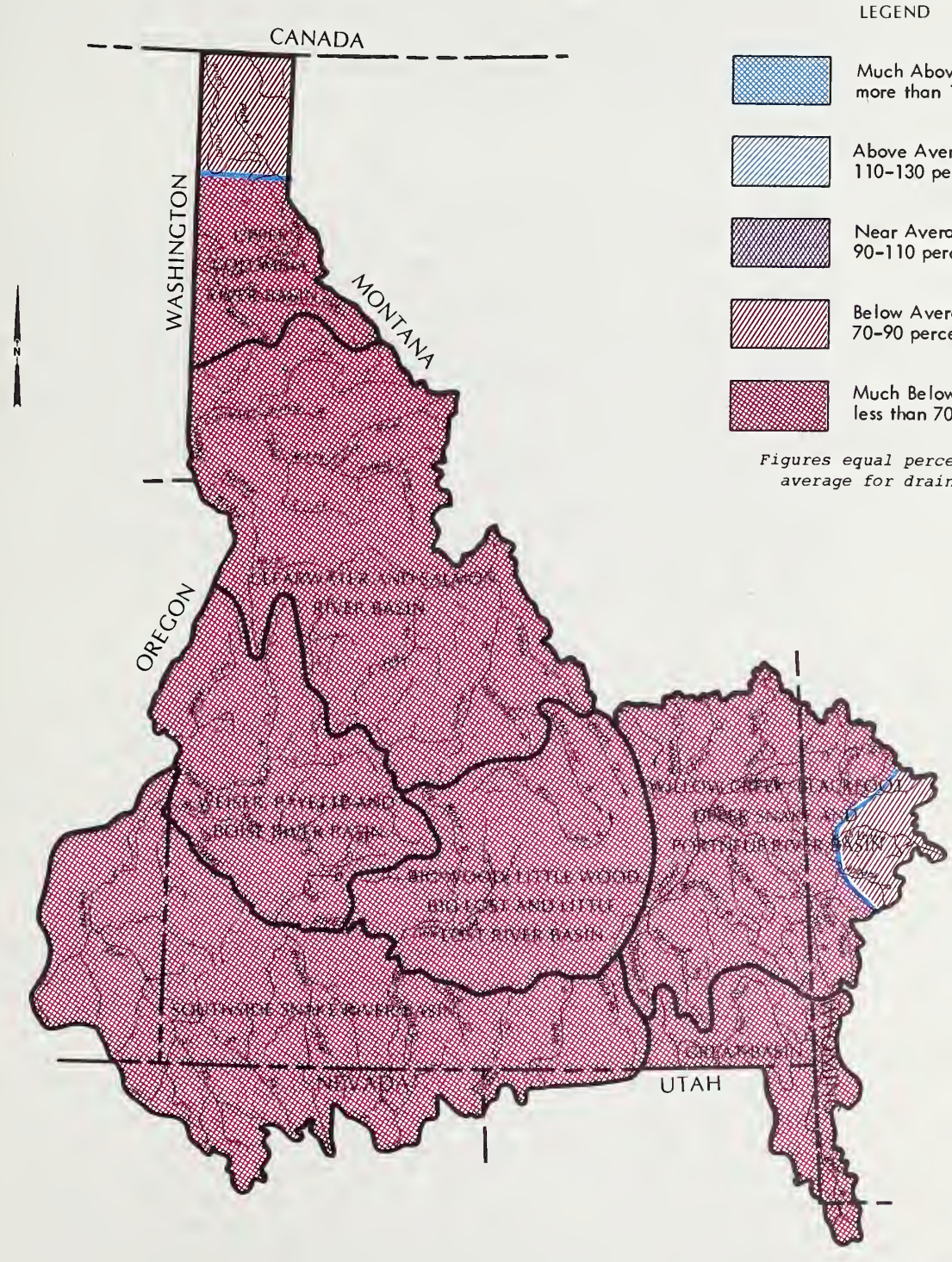


JULY 1985 4-R-39312

USDA SCS FORT WORTH TEXAS 1985

GENERAL OUTLOOK

SUMMARY:

MUCH OF IDAHO'S MOUNTAIN SNOWPACK IS THE SECOND LOWEST ON RECORD FOR APRIL 1. STREAMFLOWS IN THE SOUTHERN HALF OF THE STATE ARE EXPECTED TO BE NEAR OR JUST ABOVE THE LOWEST ON RECORD. SOME MAJOR IRRIGATION RESERVOIRS WILL NOT FILL TO CAPACITY. IRRIGATORS WITHOUT BENEFIT OF RESERVOIR STORAGE SHOULD EXPECT WATER SHORTAGES THIS SUMMER. UNLESS SOUTHERN AND CENTRAL IDAHO RECEIVE HEAVY RAINS THIS SPRING AND SUMMER, THE WATER SUPPLY OUTLOOK FOR 1987 IS VERY BLEAK. SEE THE LAST PAGES OF THIS BULLETIN FOR SUGGESTED WATER CONSERVATION MEASURES.

SNOWPACK:

April 1 snow surveys show Idaho's snowpack conditions remain below to well below normal throughout the state. The highest snowpacks are in northern Idaho where conditions range from 57% of average on the Salmon River basin to 81% of average on the Priest River drainage. The central Idaho mountains report the lowest snowpack conditions in the state with most basins ranging from 32 to 50% of normal. Snowpacks in southern and eastern Idaho and in the upper Snake River basin in Wyoming generally range from 50 to 69% of average. Mild temperatures and rainfall during early March triggered low and middle elevation snowmelt throughout the state. If mild weather conditions continue, snowpacks are expected to melt much earlier than normal.

PRECIPITATION:

During the first two weeks of March a warm moist southwesterly flow prevailed over the state. Almost all of March's precipitation fell during this period, with some valley stations reporting 24 hour totals in the one-half to one inch range. This pattern changed by midmonth to a dry and unusually cold northwesterly flow. With the change in airflow, the precipitation ended with only light and spotty amounts being reported during the last two weeks. The Panhandle received the most rain with Porthill reporting 200% of normal. Southeastern Idaho was the only part of the state reporting below normal precipitation, with Pocatello at 89% and Grace at 78% of normal. The state as a whole reported 125% of normal precipitation for the month of March. Temperatures were unusually high during the first two weeks of March with several record highs being set. By the end of the month, record lows were being recorded. On the average, the state ended up above normal for the month. The southeast had the highest departure from normal temperatures with Pocatello at plus 4 degrees.

RESERVOIRS:

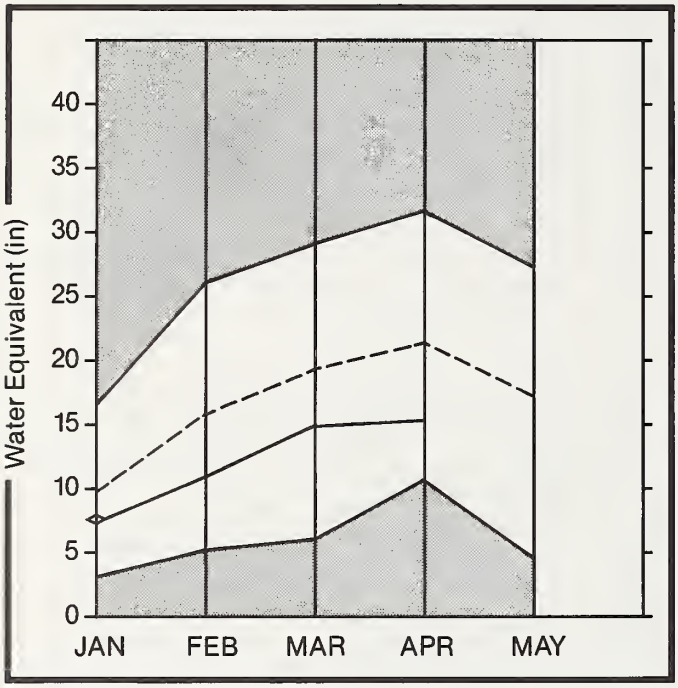
Reservoir storage across the state is generally above average for April 1, ranging from 46% of average at Lake Pend Oreille to 184% at Brownlee reservoir. For 28 reservoirs in the state, April 1 storage is 112% of normal and 70% of capacity. Most reservoirs in the state are expected to fill this spring, with the exception of the Boise system, Magic, and Carey Valley reservoirs. Irrigation demands may exceed the available storage in some reservoirs by late summer, and irrigators may experience water shortages or rationing. Stored irrigation water will be relied on heavily this summer to supplement low streamflows, drawing most reservoirs down to low levels by the end of the summer. An average or above average snowpack will be needed next winter to refill reservoirs and avoid critical water shortages in the summer of 1988.

STREAMFLOW:

Streamflow forecasts as of April 1 are near or below the levels predicted a month ago. The Little Lost River near Howe is now expected to produce the LOWEST STREAMFLOW IN THE LAST 30 YEARS for the April-September period. Forecasts across the state range from 60 to 71% in northern Idaho, 30 to 62% in central Idaho, 58 to 65% in the east, and 34 to 49% across the southern edge of the state. With snowmelt already beginning at most elevations during the first week of April, water users can expect low peak flows and a much earlier than normal return to low flow conditions. During very low snowpack years such as this one, spring rains are very important in determining the total seasonal runoff. Much above normal precipitation during May and June could improve the anticipated water supply situation significantly. The April-June weather outlook, however, calls for below normal precipitation.

Upper Columbia Basin

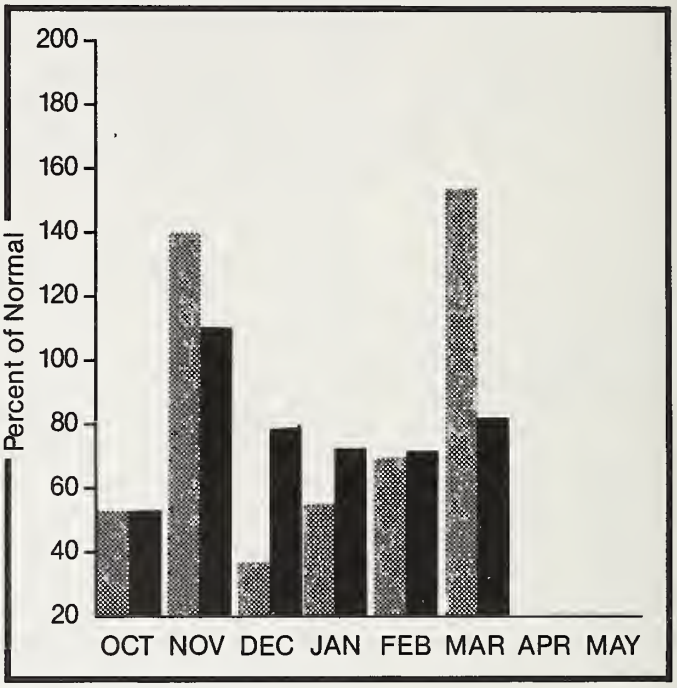
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack conditions currently range from 68% of average on the Coeur d'Alene drainage to 81% on the Priest River basin. Exceptions to this are in the lower elevation Palouse, Hayden Lake, and Rathdrum Creek drainages where snowpacks range from only 41 to 50% of normal. Precipitation amounts during March were reported to be above normal for the first time since November with valley stations reporting 81 to 254% of average and mountain SNOTEL stations reporting 97 to 162% of average. April-July streamflow forecasts remain about the same as last month, ranging from 60% of normal on the Spokane at Post Falls to 82% on the Kootenai at Leonia.

For more information contact your local Soil Conservation Service office.

UPPER COLUMBIA RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
KOOTENAI at Leonia 2	APR-SEP	8441.0	6940.0	82	8540.0	101	5340.0	63
	APR-JUL	7340.0	6030.0	82	7420.0	101	4640.0	63
	APR-JUN	5899.0	4840.0	82	5960.0	101	3720.0	63
CLARK FORK at White Horse Rapids 2	APR-SEP	13370.0	9710.0	73	12400.0	93	7040.0	53
	APR-JUL	12150.0	8820.0	73	11300.0	93	6390.0	53
	APR-JUN	10360.0	7560.0	73	9630.0	93	5490.0	53
PEND OREILLE LAKE inflow 2	APR-SEP	14930.0	10500.0	70	13500.0	90	7510.0	50
	APR-JUL	13650.0	9610.0	70	12300.0	90	6880.0	50
	APR-JUN	11780.0	8260.0	70	10600.0	90	5900.0	50
PRIEST RIVER at Priest 2	APR-SEP	893.0	630.0	71	855.0	96	410.0	46
	APR-JUL	838.0	595.0	71	805.0	96	385.0	46
SPOKANE at Post Falls 2	APR-SEP	2820.0	1690.0	60	2450.0	87	930.0	33
	APR-JUL	2723.0	1630.0	60	2360.0	87	895.0	33
ST. JOE at Calder	APR-SEP	1281.0	780.0	61	1040.0	81	525.0	41
	APR-JUL	1211.0	740.0	61	980.0	81	500.0	41
COEUR D' ALENE at Enaville	APR-SEP	830.0	535.0	64	700.0	84	375.0	45
	APR-JUL	789.0	505.0	64	660.0	84	355.0	45

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
HUNGRY HORSE	3451.0	2336.0	2515.0	2110.0
FLATHEAD LAKE	1791.0	641.0	805.3	757.2
PEND OREILLE	1561.2	376.0	835.6	813.7
NOXON RAPIDS	335.0	326.7	299.8	213.0
COEUR D'ALENE	291.2	186.2	349.2	234.3
PRIEST LAKE	97.7	57.8	34.8	39.8

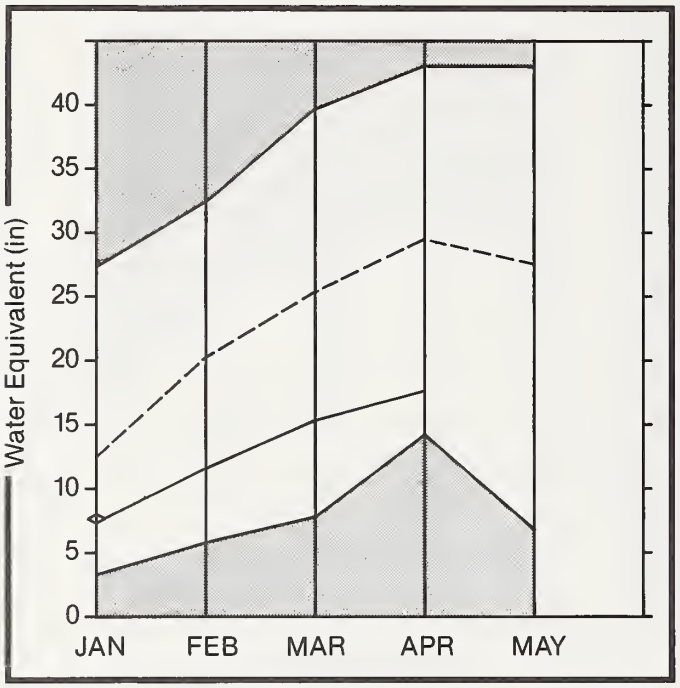
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Kootenai ab Bonners Ferry	56	109	79
Pend Oreille River	170	93	70
Clark Fork River	116	86	66
Priest River	6	133	79
Rathdrum Creek	1	104	77
Hayden Lake	4	246	50
Coeur d'Alene River	10	121	68
St. Joe River	10	102	72
Spokane River	24	111	69
Palouse River	3	81	41

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Clearwater and Salmon River Basin

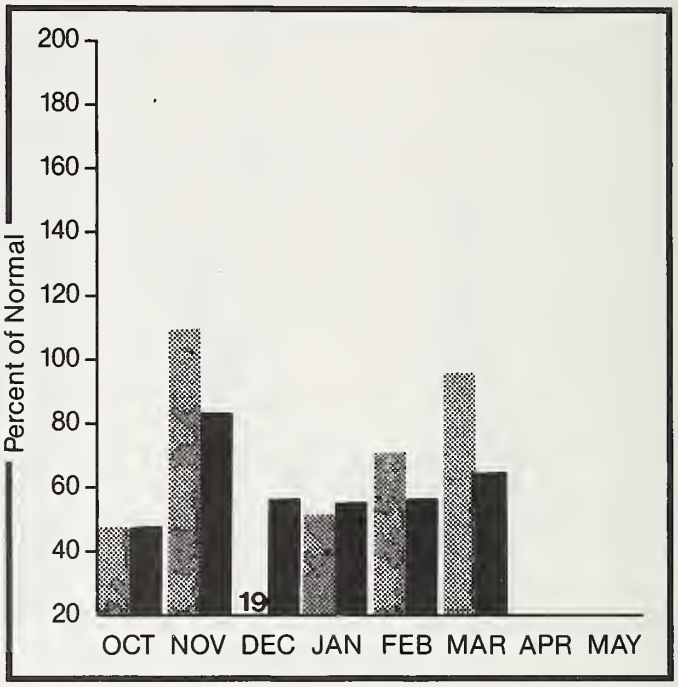
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

April 1 snow measurements show little or no change in the snowpack conditions over the past month. Snowpacks remain below to well below normal, ranging from 74% of normal on the Lemhi basin to 57% on the Salmon River basin. The Clearwater River and its tributaries report 68 to 72% of average snowpack. March precipitation was near normal in the Clearwater basin and below normal in the Salmon drainage. April-July streamflow forecasts range from a low of 58% of normal on the Salmon at Whitebird to 63% on the Clearwater at Orofino.

For more information contact your local Soil Conservation Service office.

CLEARWATER AND SALMON RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
CLEARWATER at Orofino	APR-SEP	5163.0	3250.0	63	4590.0	89	1910.0	37
	APR-JUL	4889.0	3070.0	63	4340.0	89	1800.0	37
CLEARWATER at Spalding	APR-SEP	8378.0	5300.0	63	7230.0	86	3460.0	41
	APR-JUL	7916.0	5000.0	63	6820.0	86	3260.0	41
DWORSHAK RESERVOIR inflow	APR-SEP	3010.0	1840.0	61	2500.0	83	1180.0	39
	APR-JUL	2822.0	1730.0	61	2350.0	83	1110.0	39
SALMON at Whitebird	APR-SEP	7007.0	4070.0	58	5610.0	80	2530.0	36
	APR-JUL	6322.0	3670.0	58	5060.0	80	2280.0	36
SALMON at Salmon	APR-SEP	1077.0	670.0	62	1040.0	97	315.0	29
	APR-JUL	919.0	570.0	62	880.0	96	270.0	29

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
DWORSHAK	3467.8	2830.6	2800.7	1996.2

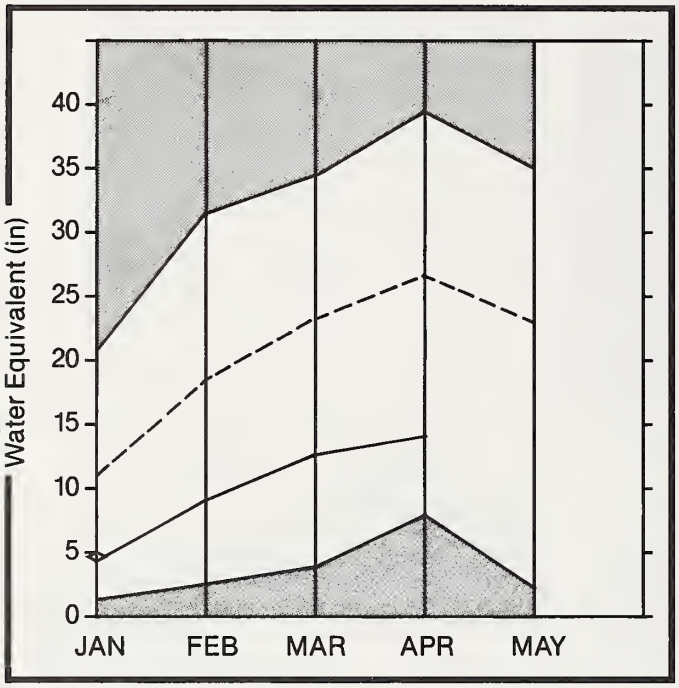
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
North Fork Clearwater	15	91	69
Lochsa River	5	89	70
Selway River	7	87	72
Clearwater River	23	89	69
Salmon River ab Salmon	13	53	60
Lemhi River	8	68	74
Salmon River Total	34	57	58

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Weiser, Payette, and Boise River Basin

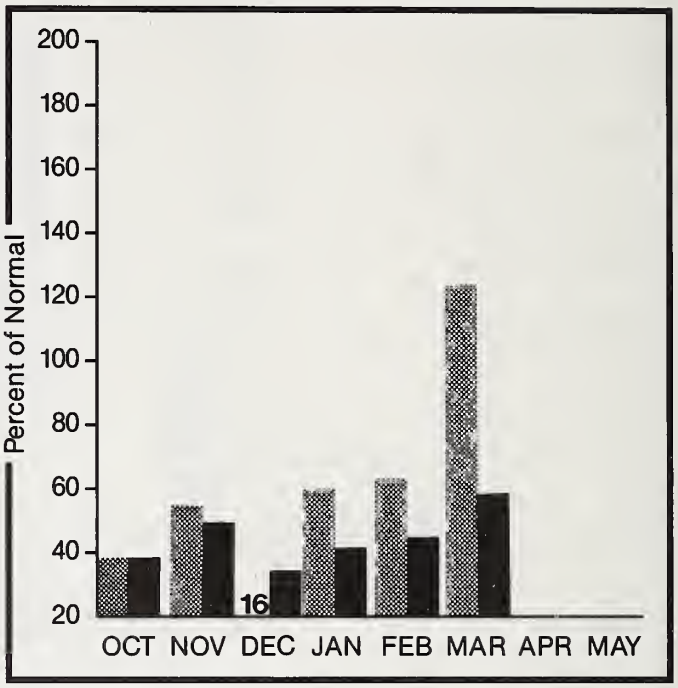
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Mountain precipitation during March was near or slightly above normal, based on SNOTEL reports from the basin. However, this did little to improve the snowpack situation as most of the precipitation was in the form of rain. Snowpacks remain well below normal over the basin ranging from 28% of average on the Canyon Creek drainage near Mountain Home to 58% on the N. Fork Payette. Mild temperatures and rainfall caused lower and middle elevation snow to melt with most snowpacks below 5500 feet elevation being completely melted by April 1. April-July streamflows are forecast to be very low, ranging from 38 to 53% of average. The Boise River near Boise and the Weiser near Weiser are forecast to produce the second lowest volumes in over 30 years. Several reservoirs are not expected to fill, including the Boise system and Crane Creek reservoir. Water rationing may be needed where good reservoir storage is not available.

WEISER, PAYETTE AND BOISE RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEISER nr Weiser	APR-SEP	444.0	200.0	45	385.0	87	14.0	3
	APR-JUL	414.0	188.0	45	360.0	87	14.0	3
PAYETTE nr Horseshoe 2	APR-SEP	1862.0	930.0	50	1300.0	70	560.0	30
	APR-JUL	1717.0	860.0	50	1200.0	70	520.0	30
NF PAYETTE at Cascade 2	APR-SEP	568.0	300.0	53	420.0	74	180.0	32
	APR-JUL	531.0	280.0	53	390.0	73	165.0	31
NF PAYETTE nr Banks 2	APR-SEP	737.0	375.0	51	515.0	70	235.0	32
	APR-JUL	691.0	355.0	51	485.0	70	225.0	33
SF PAYETTE at Lowman	APR-SEP	516.0	255.0	49	345.0	67	160.0	31
	APR-JUL	458.0	225.0	49	305.0	67	145.0	32
DEADWOOD RESERVOIR inflow	APR-JUL	143.0	72.0	50	96.0	67	46.0	32
BOISE RIVER nr Twin Springs 1	APR-SEP	722.0	315.0	44	440.0	61	185.0	26
	APR-JUL	664.0	290.0	44	405.0	61	170.0	26
SF BOISE at Anderson Dam 1	APR-SEP	619.0	235.0	38	355.0	57	125.0	20
	APR-JUL	578.0	220.0	38	330.0	57	115.0	20
BOISE RIVER nr Boise 1	APR-SEP	1628.0	630.0	39	955.0	59	305.0	19
	APR-JUL	1508.0	580.0	38	880.0	58	280.0	19
	APR-JUN	1334.0	510.0	38	775.0	58	245.0	18

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
MANN CREEK		NO REPORT		
CASCADE	703.2	506.5	465.0	377.6
DEADWOOD	162.0	98.0	84.7	90.8
ANDERSON RANCH	464.2	384.4	303.7	278.1
ARROWROCK	286.6	181.9	247.8	227.8
LUCKY PEAK	307.0	218.9	36.7	153.2
LAKE LOWELL (DEER FLAT)	177.0	152.9	147.2	152.9

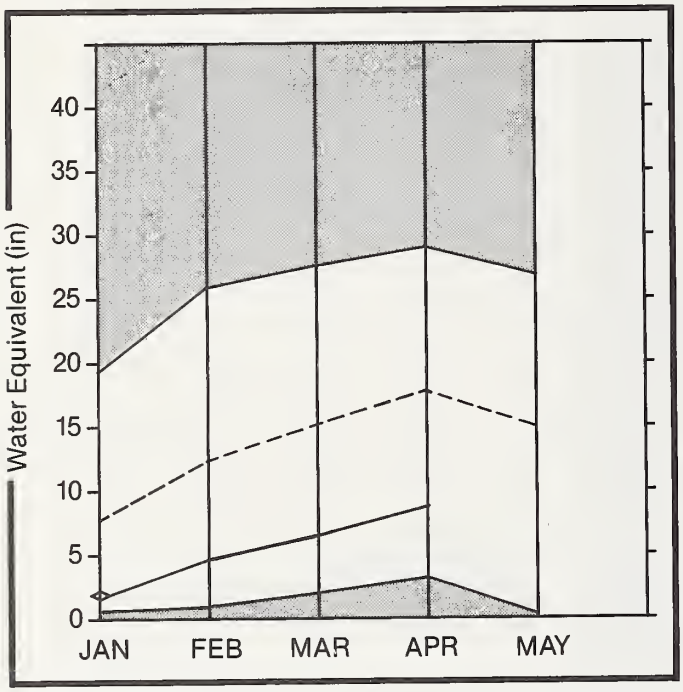
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Mann Creek	5	56	35
Weiser River	9	57	43
North Fork Payette	10	66	60
South Fork Payette	7	56	56
Payette River Total	16	61	58
Middle & North Fork Boise	9	43	50
South Fork Boise River	11	40	46
Boise River Total	20	43	47
Canyon Creek	3	29	28

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Big Wood, Little Wood, Big Lost, and Little Lost River Basin

Mountain snowpack* (inches)

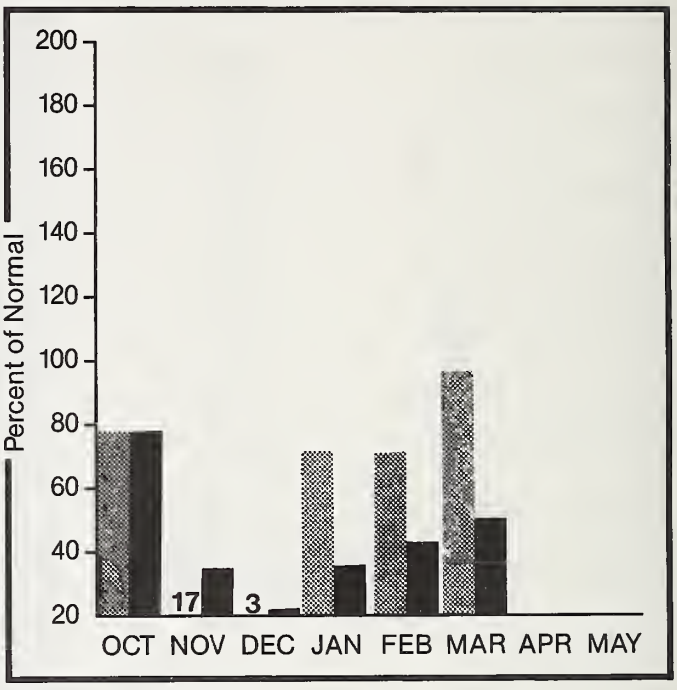


*Based on selected stations

Maximum ———— Average – – – –

Minimum ———— Current ————

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation ▒ Year to date precipitation ■

WATER SUPPLY OUTLOOK:

Precipitation during March was near or slightly above normal throughout the basin for the first time since September. Higher elevation snowpacks improved slightly but mild temperatures and rainfall melted much of the lower elevation snow. Most snow below 6000 feet elevation was completely melted by April 1. Basin snowpacks remain very low, ranging from 30 to 55% of average. April-July streamflows are forecast to be very low, ranging from 30 to 48% of normal. The Little Lost near Howe is forecast to produce the lowest flows in the last 30 years, with the Big Lost forecast at the second lowest. Little Wood reservoir is full as of April 1, and Mackay reservoir, currently at 87% of capacity, is also expected to fill. Carey Valley (Fish Creek) and Magic reservoirs are not expected to fill to capacity given current forecasts and anticipated irrigation demands. Water shortages or rationing can be expected this summer where good reservoir storage is not available.

BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BIG WOOD nr Bellevue	APR-SEP	217.0	87.0	40	145.0	67	25.0	12
	APR-JUL	202.0	81.0	40	135.0	67	25.0	12
MAGIC RESERVOIR inflow	APR-SEP	338.0	102.0	30	255.0	75	58.0	17
	APR-JUL	322.0	97.0	30	240.0	75	55.0	17
LITTLE WOOD nr Carey	APR-SEP	107.0	33.0	31	61.0	57	27.0	25
	APR-JUL	99.0	30.0	30	56.0	57	25.0	25
BIG LOST at Howell Ranch	APR-SEP	219.0	97.0	44	165.0	75	29.0	13
	APR-JUL	192.0	85.0	44	145.0	76	25.0	13
	APR-JUN	148.0	66.0	45	112.0	76	20.0	14
BIG LOST nr Mackay 2	APR-SEP	195.0	82.0	42	146.0	75	16.0	8
LITTLE LOST bl Wet Ck	APR-SEP	38.8	18.3	47	32.0	82	5.0	13
	APR-JUL	31.4	14.7	47	26.0	83	4.0	13
LITTLE LOST nr Howe	APR-SEP	44.0	21.0	48	36.0	82	6.0	14
	APR-JUL	33.0	16.0	48	27.0	82	5.0	15

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
MAGIC	191.5	145.0	149.4	117.4
LITTLE WOOD	30.0	29.5	21.4	18.4
CAREY VALLEY	14.4	8.8	7.6	---
MACKAY	44.4	38.8	31.5	33.3

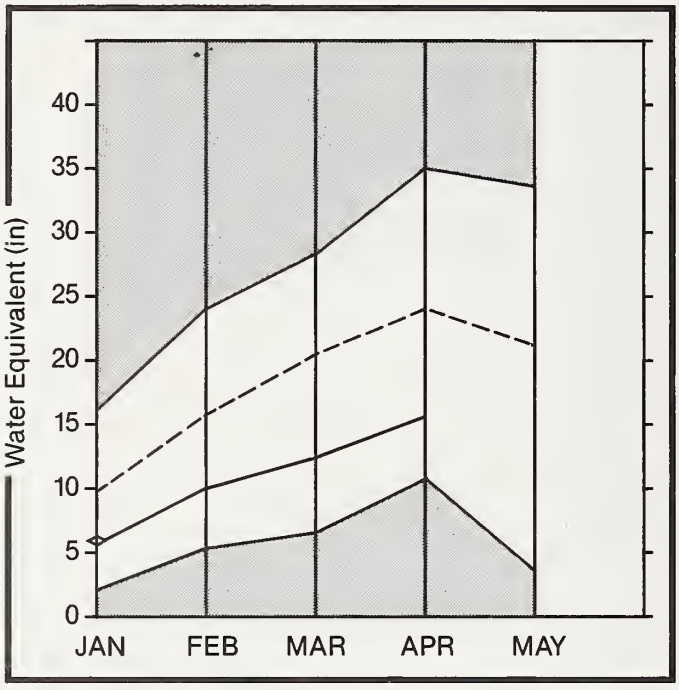
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Big Wood ab Magic	10	44	53
Camas Creek	6	31	32
Big Wood Total	15	41	48
Little Wood River	4	40	41
Fish Creek	3	23	30
Big Lost River	9	46	53
Little Lost River	4	59	55

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

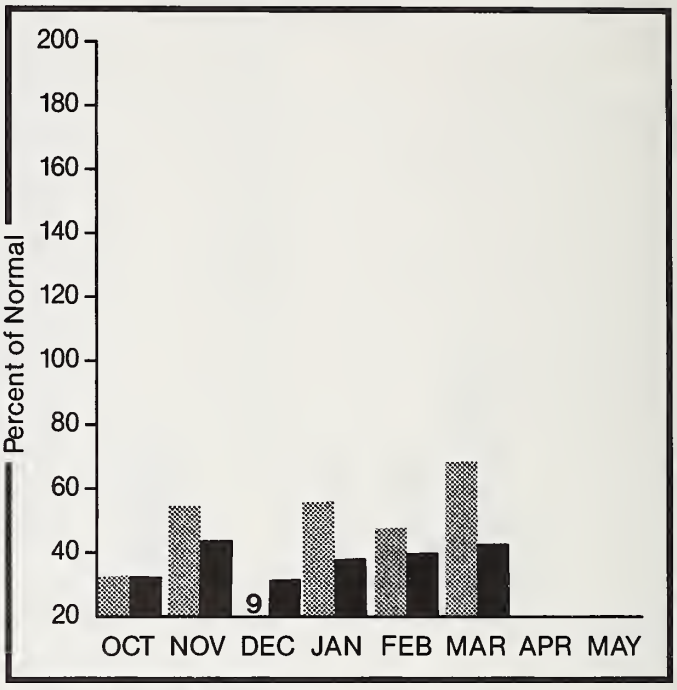
Willow Creek, Blackfoot, Upper Snake, and Portneuf River Basin

Mountain snowpack* (inches)



*Based on selected stations

Precipitation* (percent of normal)



*Based on selected stations

Maximum
Minimum
Average
Current
Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

High elevation SNOTEL sites reported below normal precipitation during March and most basin snowpack conditions remain unchanged or have decreased slightly from those reported a month ago. Most watersheds now report 50 to 65% of normal snowpack. One exception is the Gros Ventre River basin in Wyoming where the snowpack is 83% of average. Low elevation snowpacks are now beginning to melt and continued mild temperatures will bring much earlier than normal runoff. April-July streamflow forecasts are well below normal, ranging from 58% of average on the Henry's Fork near Rexburg to 65% on the Snake near Heise. Most reservoirs are nearly filled to capacity and water supplies should be adequate from most water users during the summer irrigation season.

For more information contact your local Soil Conservation Service office.

WILLOW CREEK, BLACKFOOT, UPPER SNAKE AND PORTNEUF RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
HENRY'S FORK nr Ashton 2	APR-SEP	746.0	460.0	62	520.0	70	395.0	53
	APR-JUL	557.0	345.0	62	390.0	70	295.0	53
HENRYS FORK nr Rexburg 2	APR-SEP	1595.0	915.0	57	1170.0	73	660.0	41
	APR-JUL	1260.0	725.0	58	930.0	74	525.0	42
FALLS RIVER nr Squirrel	APR-JUL	373.0	230.0	62	290.0	78	165.0	44
TETON RIVER ab S Leigh Ck	APR-SEP	194.0	120.0	62	145.0	75	95.0	49
	APR-JUL	145.0	90.0	62	109.0	75	71.0	49
TETON nr St. Anthony	APR-SEP	479.0	295.0	62	350.0	73	240.0	50
	APR-JUL	387.0	240.0	62	285.0	74	195.0	50
SNAKE at Moran 1	APR-SEP	888.0	600.0	68	745.0	84	460.0	52
PALISADES LAKE inflow 1	APR-SEP	3852.0	2500.0	65	3270.0	85	1730.0	45
SNAKE nr Heise 2	APR-SEP	4142.0	2700.0	65	3530.0	85	1910.0	46
	APR-JUL	3524.0	2300.0	65	3010.0	85	1630.0	46
SNAKE nr Blackfoot 2	APR-SEP	5680.0	3580.0	63	4545.0	80	2670.0	47
	APR-JUL	4589.0	2880.0	63	3660.0	80	2150.0	47
PORTNEUF at Topaz	MAR-SEP	109.0	57.0	52	94.0	86	20.0	18
	MAR-JUL	88.0	46.0	52	76.0	86	16.0	18

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
ISLAND PARK	127.6	134.2	95.9	119.3
GRASSY LAKE	15.2	13.3	12.9	11.2
JACKSON LAKE	624.4	113.4	148.8	525.9
PALISADES	1357.0	1323.2	1068.4	968.2
AMERICAN FALLS	1700.0	1630.9	1094.9	1452.5
BROWNLEE	975.3	824.8	895.8	449.1
BLACKFOOT		NO REPORT		
HENRY'S LAKE	90.4	83.3	---	80.1
RIRIE	96.5	58.3	---	53.1

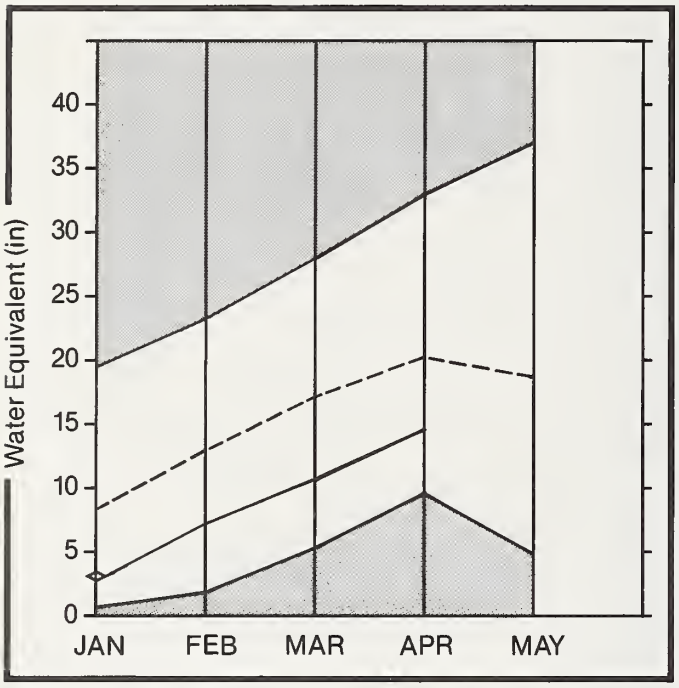
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Camas-Beaver Creeks	4	73	59
Henrys Fork River	13	55	57
Teton River	6	57	65
Snake above Palisades	32	52	63
Snake above Jackson Lake	10	47	55
Gros Ventre River	3	65	83
Greys River	4	48	57
Salt River	5	52	58
Willow Creek	11	73	64
Blackfoot River	10	50	57
Portneuf River	13	49	50
Toponce Creek	3	51	45

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Southside Snake River Basin

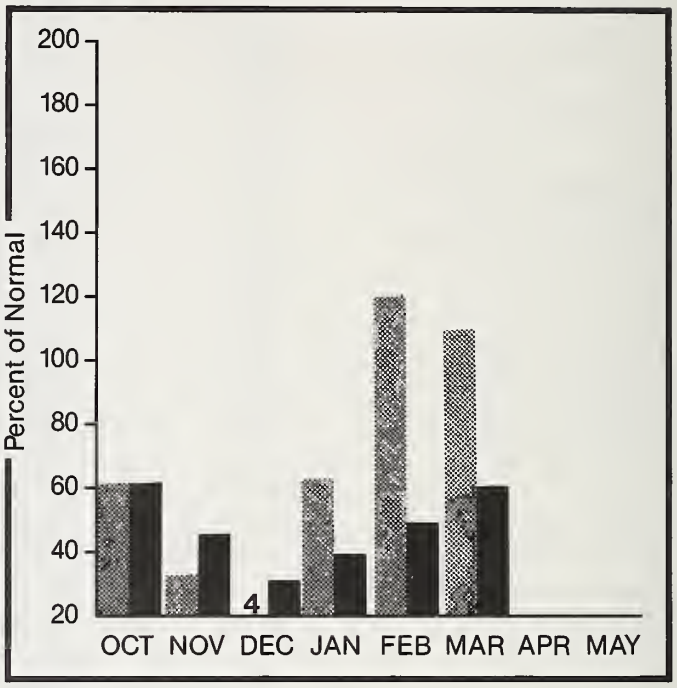
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Near to slightly below normal mountain precipitation during March did little to improve the snowpack in the basin. The higher elevation snowpack in the Jarbidge area improved slightly while the lower elevation snowpacks on the Owyhee and Raft River drainages showed a decrease in comparison to normal. Mild temperatures and rainfall in early March have depleted much of the snow below 6000 feet. Snowpacks currently range from 56 to 69% of average throughout the basin. Streamflow forecasts are well below normal ranging from 36 to 49% of average. Reservoir storage is good in all major reservoirs, ranging from near normal in Owyhee and Oakley reservoirs to well above normal in Salmon Falls reservoir. Water supplies should be adequate this summer for irrigators having access to stored water. Water shortages could be experienced by mid to late summer on drainages without storage facilities.

SOUTHSIDE SNAKE RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
OAKLEY RESERVOIR inflow	APR-SEP	33.0	12.2	37	24.0	73	2.0	6
	APR-JUL	29.7	10.8	36	22.0	74	2.0	7
SALMON FALLS CK nr San Jacinto	MAR-SEP	102.0	41.0	40	78.0	76	4.0	4
	MAR-JUL	97.0	39.0	40	74.0	76	4.0	4
	MAR-JUN	91.0	36.0	40	69.0	76	3.0	3
BRUNEAU nr Hot Spring	MAR-SEP	260.0	104.0	40	200.0	77	8.0	3
	MAR-JUL	248.0	99.0	40	191.0	77	7.0	3
OWYHEE RIVER nr Gold Creek 2	APR-JUL	27.8	11.0	40	26.0	94	3.0	11
OWYHEE RIVER nr Owyhee 2	APR-JUL	86.0	36.0	42	76.0	88	11.0	13
OWYHEE LAKE inflow 1	APR-SEP	455.0	220.0	49	397.0	87	39.0	9
	APR-JUL	427.0	210.0	49	376.0	88	40.0	9
OWYHEE at Rome 2	APR-JUL	376.0	180.0	48	349.0	93	11.0	3

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
OAKLEY	77.4	34.8	44.3	34.0
SALMON FALLS	182.6	99.7	108.7	62.3
OWYHEE	715.0	565.9	706.1	560.6

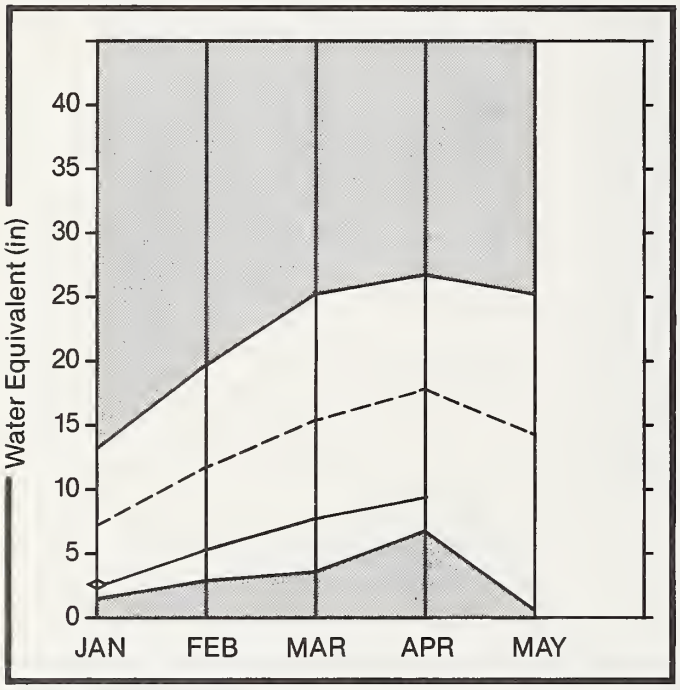
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Raft River	9	57	64
Goose-Trapper Creeks	5	52	62
Salmon Falls Creek	12	76	68
Bruneau River	11	74	69
Owyhee River	19	74	66

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

Great Basin

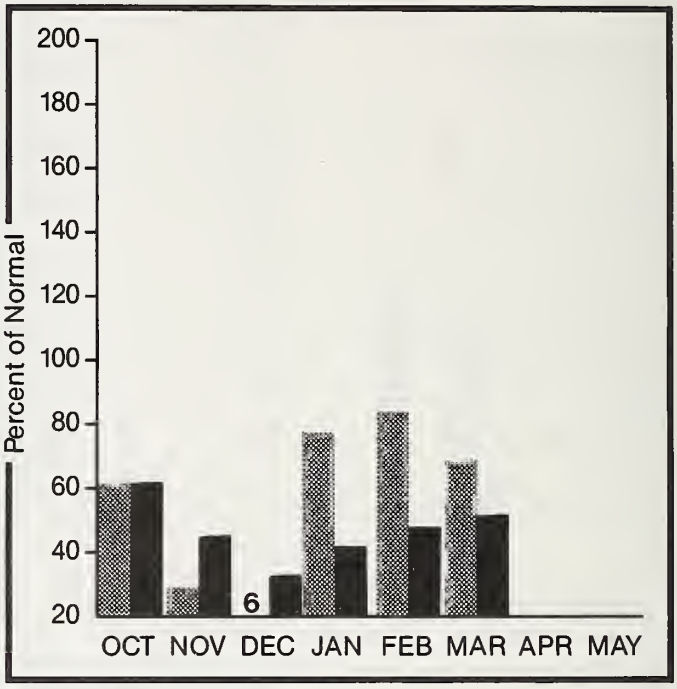
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

March precipitation was below normal for the sixth consecutive month. Basin snowpack conditions have not changed significantly from those reported last month and remain well below average. Currently, snowpacks range from 44 to 63% of average on all basins except the Malad River drainage which reports only 31% of normal snowpack. Spring and summer streamflows are forecast to be well below normal ranging from 34 to 43% of average. If the pattern of below normal precipitation continues, water supplies could be inadequate for some users - particularly those not having the benefit of reservoir storage facilities.

For more information contact your local Soil Conservation Service office.

GREAT BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BEAR at Harer	APR-SEP	310.0	110.0	35	178.0	57	42.0	14
MONTPELIER CK nr Montpelier	APR-SEP	13.9	4.8	34	10.0	72	1.0	7
CUB RIVER nr Preston	APR-SEP	51.8	22.3	43	44.0	85	12.0	23
	APR-JUL	46.8	20.1	43	40.0	85	6.0	13

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
BEAR LAKE	1421.0	1086.2	1089.0	1002.1
MONTPELIER CREEK	3.9	2.5	1.8	1.6

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
Bear River (above Harer)	11	48	64
Montpelier Creek	7	37	54
Mink Creek	8	37	44
Cub River	4	56	51
Malad River	7	35	31

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

SNOW DATA MEASUREMENTS

UPPER COLUMBIA BASIN — WATERSHED I

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ABOVE BURKE	4100	3/31/87	38	13.6	15.1	22.6
ABOVE ROLAND	4350	3/30/87	61	25.6	24.6	33.1
BEAR MOUNTAIN	5400	4/01/87	---	53.0E	33.4	61.1
BEAR MTN PILLOW	5400	4/01/87	---	53.7	37.7	62.6
BELOW ROLAND	3920	3/30/87	33	12.0	4.8	14.5
BENTON MEADOW	2370	3/31/87	0	.0	.0	4.2
BENTON SPRING	4920	3/31/87	37	13.6	8.1	19.4
BOYER MOUNTAIN	5250	3/30/87	54	20.4	19.7	26.6
BREEZY SADDLE	5010	3/27/87	63	21.7	20.3	32.8
BUNCHGRASS MEADOWS	5000	3/30/87	66	24.2	17.4	30.4
BUNCHGRASS MDWPILLOW	5000	4/01/87	---	24.9	19.8	27.2
CHILCO RIDGE	3650	4/02/87	0	.0	.0	5.0
CONIE RIDGE	3900	4/02/87	0	.0	.0	6.2
COPPER RIDGE	4820	4/01/87	43	19.0	8.6	27.2
CORNER CREEK	3150	4/02/87	15	5.4	.0	6.1
EAST RAGGED SADDLE	3740	4/02/87	31	12.6	--	21.0
EAST TWIN	4130	3/31/87	4	1.4	2.7	8.8
FORTY-NINE MEADOWS	4830	3/27/87	57	19.3	17.0	31.2
FOURTH OF JULY SUM	3200	3/31/87	0	.0	.0	7.3
GRANITE PEAK	6000	3/30/87	90	31.2	31.4	45.4
HUMBOLDT GULCH	4250	3/31/87	26	8.4	10.5	16.8
HUMBOLDT GLCH PILLOW	4250	4/01/87	---	8.5	5.6	15.8
KELLOGG PEAK AM	5560	3/30/87	60	24.4	21.2	32.9
LOOKOUT	5140	3/31/87	63	25.0	26.2	35.1
LOOKOUT PILLOW	5140	4/01/87	---	25.3	25.7	33.6
LOST LAKE	6110	3/27/87	119	44.6	43.3	59.3
LOST LAKE PILLOW	6110	4/01/87	---	51.6	49.7	66.1
LOWER SANDS CREEK	3120	4/01/87	40	14.4	11.9	20.0
MOSCOW MOUNTAIN	4410	3/31/87	34	12.3	14.3	17.2
MOSQUITO RIDGE	5200	3/30/87	77	30.2	21.6	38.2
MOSQUITO PILLOW	5200	4/01/87	---	29.8	22.0	38.7
RAGGED RIDGE	3330	3/30/87	0	.0	.0	--
ROLAND SUMMIT	5120	3/30/87	72	30.2	23.6	38.2
SAGE CREEK SADDLE	4080	4/02/87	32	12.3	7.2	18.4
SCHWEITZER BASIN	6090	3/29/87	108	38.4	31.1	47.8
SCHWEITZER BN PILLOW	6090	4/01/87	---	46.3	33.7	50.2
SCHWEITZER BOWL	4800	3/31/87	57	23.0	16.6	30.5
SCHWEITZER RIDGE	6200	3/31/87	111	45.9	32.3	47.9
SHERWIN	3200	4/01/87	15	4.8	6.5	12.1
SHERWIN PILLOW	3200	4/01/87	---	5.1	5.4	11.4
SKITWISH RIDGE	5110	4/01/87	58	23.9	15.9	33.2
SMITH CREEK	4800	3/30/87	83	33.8	28.2	46.4
SUNSET	5540	3/30/87	61	21.4	17.8	33.5
SUNSET PILLOW	5540	4/01/87	---	28.0	26.1	35.8
WEST TWIN	4220	3/31/87	0	.0	.0	7.5

CLEARWATER AND SALMON BASINS — WATERSHED II

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ABOVE GILMORE	8200	3/29/87	32	7.6	12.1	10.3
ASPEN-HALL PASS AM	8200	3/26/87	36	6.7	12.9	10.5
BANNER SUMMIT	7040	3/31/87	49	17.1	33.3	30.8
BANNER SUMMIT PILLOW	7040	4/01/87	---	15.6	31.3	27.9
BEAR BASIN	5350	3/29/87	35	12.0	17.1	20.1
BEAR BASIN PILLOW	5350	4/01/87	---	11.3	17.4	20.3
BIG CREEK SUMMIT	6580	4/02/87	58	19.5	40.8	37.9
BIG CREEK SUM PILLOW	6580	4/01/87	---	20.5	43.0	33.9
BORAH	6200	4/01/87	24	5.5	8.2	6.1
BOULDER CREEK	5440	4/02/87	22	7.6	17.4	23.6
BREEZY SADDLE	5010	3/27/87	63	21.7	20.3	32.8
BRUNDAGE MOUNTAIN	7560	4/01/87	---	23.0E	44.4	48.3
BUCK MEADOWS	5650	3/30/87	63	23.2	24.6	30.7
CAYUSE AIRSTRIP	3500	3/30/87	13	5.0	6.3	8.7
COOL CREEK	6250	3/30/87	104	36.5	40.1	52.7
COOL CREEK PILLOW	6280	4/01/87	---	36.4	41.2	49.6
COOLWATER MOUNTAIN	6030	3/30/87	85	29.6	31.5	34.9
COPES CAMP	7520	3/29/87	26	5.6	9.7	8.7
CRATER MEADOWS	5960	3/30/87	85	31.6	35.4	45.4
CRATER MDWS PILLOW	5960	4/01/87	---	32.7	34.7	48.0
CROOKED FORK	3610	4/01/87	18	5.0	7.6	12.4
DEADWOOD SUMMIT	6860	3/31/87	72	26.9	49.4	46.4
DEADWOOD SUM PILLOW	6860	4/01/87	---	26.4	51.2	52.2
DOUBLE SPGS PASS AM	8380	3/28/87	29	7.5	14.3	10.8
ELK BUTTE	5550	3/27/87	68	24.3	26.8	37.4
ELK BUTTE PILLOW	5550	4/01/87	---	27.4	28.6	42.0
FISH LAKE AIRSTRIP	5650	3/30/87	82	29.6	32.1	40.0
FORTY-NINE MEADOWS	4830	3/27/87	57	19.3	17.0	31.2
GALENA SUMMIT	8780	3/30/87	46	14.0	28.8	24.4
GALENA SUMMIT PILLOW	8780	4/01/87	---	12.8	22.3	19.6
GIBBONS PASS	7100	3/26/87	44	13.6	21.2	24.0
GOAT LAKE	6500	3/30/87	98	35.5	44.1	48.0
GRANITE PEAK	6000	3/30/87	90	31.2	31.4	45.4
HEMLOCK BUTTE	5810	3/27/87	96	31.7	37.4	50.2
HEMLOCK BUTTE PILLOW	5810	4/01/87	---	33.8	37.5	51.0
HOODOO BASIN	6050	3/29/87	102	39.2	46.8	51.8
HOODOO BASIN PILLOW	6050	4/01/87	---	34.0	40.9	48.9
HOODOO CREEK	5900	3/29/87	89	34.2	39.2	47.8
KIT CARSON PASTURE	4950	3/27/87	19	5.5	9.4	8.9
LEATHERMAN PASS	9860	4/01/87	60	18.6	24.6	24.8
LEMHI PASS	7480	3/30/87	28	8.5	8.0	9.4
LEMHI RIDGE	8100	3/30/87	34	11.0	11.6	10.8
LEMHI RIDGE PILLOW	8100	4/01/87	---	8.7	11.9	11.6
LOLO PASS	5240	4/02/87	48	19.8	20.6	30.7
LOLO PASS PILLOW	5240	4/01/87	---	20.6	23.5	33.1
LOST HORSE	5940	3/30/87	61	21.9	26.6	33.4
LOST LAKE	6110	3/27/87	119	44.6	43.3	59.3
LOST LAKE PILLOW	6110	4/01/87	---	51.6	49.7	66.1
MEADOW LAKE	9150	3/29/87	45	10.9	18.6	19.9
MEADOW LAKE PILLOW	9150	4/01/87	---	11.8	--	20.2
MILL CREEK SUMMIT	8800	3/28/87	47	14.8	27.7	23.0
MOONSHINE	7440	3/30/87	19	5.1	8.8	10.7
MOONSHINE PILLOW	7440	4/01/87	---	6.3	11.7	11.4
MOOSE CREEK	6200	3/30/87	28	7.8	14.4	16.9
MOOSE CR PILLOW	6200	4/01/87	---	9.5	--	16.8
MORGAN CREEK	7600	3/28/87	30	7.1	16.1	14.3
MORGAN CREEK PILLOW	7600	4/01/87	---	7.1	13.8	13.9
MORSE CREEK SAWMILL	7120	3/28/87	28	7.0	12.0	9.4
MOUNTAIN MEADOWS	6360	3/30/87	50	14.3	17.0	23.8
MOUNTAIN MDWS PILLOW	6360	4/01/87	57	15.9	18.9	26.2
NEZ PERCE PASS	6570	3/27/87	35	10.6	14.9	17.8
PERREAU MEADOWS	8500	3/27/87	40	10.3	17.6	17.8
PIERCE R.S.	3080	3/30/87	15	5.0	6.3	8.9
REDFISH LAKE FLAT	6560	4/03/87	14	6.2	13.8	12.4
ROCK FLAT SUMMIT	5310	3/29/87	33	11.6	13.8	19.1
SADDLE MOUNTAIN	7940	3/26/87	51	15.9	24.5	26.2
SADDLE MTN PILLOW	7900	4/01/87	---	15.6	24.5	27.3
SAVAGE PASS	6170	4/01/87	50	18.4	23.6	27.3
SAVAGE PASS PILLOW	6170	4/01/87	---	18.0	24.7	29.0
SCHWARTZ LAKE	8540	3/29/87	41	11.1	15.8	13.5
SECESH SUMMIT	6520	3/29/87	60	21.0	34.9	36.8
SECESH SUMMIT PILLOW	6520	4/01/87	---	20.6	32.6	37.3
SHANGHAI SUMMIT	4570	3/27/87	57	18.1	18.0	26.5
SHANGHAI SUM PILLOW	4570	4/01/87	56	19.3	17.0	27.9
SHERWIN	3200	4/01/87	15	4.8	6.5	12.1
SHERWIN PILLOW	3200	4/01/87	---	5.1	5.4	11.4
SLAG-A-MELT LAKE	8750	3/30/87	46	13.0	24.6	27.0
SQUAW MEADOW	5900	3/29/87	55	19.8	35.0	37.0
TWIN LAKES	6510	3/30/87	80	30.4	34.4	42.8
TWIN LAKES PILLOW	6400	4/01/87	---	29.5	31.4	42.5
TWIN PEAKS	9190	4/01/87	48	15.1	25.0	25.9
VIENNA MINE	8960	4/01/87	61	21.1	48.7	37.9
VIENNA MINE PILLOW	8960	4/01/87	---	19.1	43.8	37.8
WEST BRANCH	5560	4/02/87	29	11.0	20.8	25.6
WEST BRANCH PILLOW	5560	4/01/87	---	14.4	21.2	25.7

WEISER, PAYETTE AND BOISE BASINS — WATERSHED III

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ATLANTA SUMMIT	7600	4/01/87	57	18.6	40.6	35.6
ATLANTA SUM PILLOW	7580	4/01/87	---	18.5	39.5	32.6
ATLANTA TOWNSITE	5370	3/31/87	11	4.1	7.1	--
BANNER SUMMIT	7040	3/31/87	49	17.1	33.3	30.8
BANNER SUMMIT PILLOW	7040	4/01/87	---	15.6	31.3	27.9
BAD BEAR	4940	4/01/87	11	4.0	12.0	13.4
BEAR BASIN	5350	3/29/87	35	12.0	17.1	20.1
BEAR BASIN PILLOW	5350	4/01/87	---	11.3	17.4	20.3
BEAR SADDLE	6180	3/31/87	36	13.0	21.0	31.4
BEAR SADDLE PILLOW	6180	4/01/87	---	13.3	22.4	31.6
BENNETT MOUNTAIN	6560	3/29/87	29	8.9	22.8	18.1
BENNETT MTN PILLOW	6560	4/01/87	---	10.3	--	20.0
BIG CREEK SUMMIT	6580	4/02/87	58	19.5	40.8	37.5
BIG CREEK SUM PILLOW	6580	4/01/87	---	20.5	43.0	33.9
BOGUS BASIN	6340	4/01/87	41	13.8	25.3	25.2
BOGUS BASIN ROAD	5540	4/01/87	0	.0	.0	2.2
BOULDER CREEK	5440	4/02/87	22	7.6	17.4	23.6
BRUNDAGE MOUNTAIN	7560	4/01/87	---	23.0E	44.4	48.3
BRUNDAGE RESV PILLOW	4500	4/01/87	---	16.0	--	--
CAMAS CREEK DIVIDE	5710	3/29/87	0	.0	7.5	10.2
CHIMNEY CREEK	6400	3/29/87	16	5.3	15.1	13.4
COUCH SUMMIT	6840	3/29/87	26	7.9	22.7	18.8
COZY COVE	5380	3/31/87	18	7.0	10.1	15.8
COZY COVE PILLOW	5380	4/01/87	---	9.0	14.1	23.9
CRAWFORD R.S.	4860	3/28/87	0	.0	.0	5.7
DEADMAN GULCH	5600	3/27/87	30	13.0	16.8	16.8
DEADWOOD AIRSTRIP	5360	4/01/87	---	8.6E	11.7	15.3
DEADWOOD SUMMIT	6860	3/31/87	72	26.9	49.4	46.4
DEADWOOD SUM PILLOW	6860	4/01/87	---	26.4	51.2	52.2
DOLLARHIDE SUMMIT	8420	4/01/87	46	14.0	31.6	25.4
DOLLARHIDE SM PILLOW	8420	4/01/87	---	14.7	34.5	26.0
GRAHAM GUARD STATION	5690	3/31/87	21	7.9	13.5	15.5
GRAHAM G.S. PILLOW	5690	4/01/87	---	5.3	16.7	17.7
IDAHO CITY TOWNSITE	4000	4/01/87	0	.0	.0	1.4
JACKSON PEAK	7070	3/31/87	48	16.0	36.8	32.2
JACKSON PEAK PILLOW	7070	4/01/87	---	16.8	38.8	31.0
LAKE FORK	5290	3/28/87	41	16.4	15.6	16.2
LITTLE CAMAS FLAT	4940	3/29/87	0	.0	.0	4.0
MANN CREEK	6080	3/31/87	38	15.4	23.4	26.6
MOORES CREEK SUMMIT	6100	4/01/87	49	18.1	42.8	33.0
MOORES CK SUM PILLOW	6100	4/01/87	---	16.9	45.8	35.2
PLACER CREEK	5860	3/31/87	39	16.4	25.2	18.9
PRAIRIE	4800	3/30/87	0	.0	.0	2.9
PRAIRIE PILLOW	4800	4/01/87	---	.0	.0	--
ROAD CREEK	5380	4/01/87	4	1.3	5.8	8.4
ROBINSON CREEK RIDGE	6220	3/29/87	0	.0	.0	20.7
ROCK FLAT SUMMIT	5310	3/29/87	33	11.6	13.8	19.1
SECESH SUMMIT	6520	3/29/87	60	21.0	34.9	36.8
SECESH SUMMIT PILLOW	6520	4/01/87	---	20.6	32.6	37.3
SOLDIER R.S.	5740	3/29/87	5	2.2	11.3	10.6
SOLDIER R.S. PILLOW	4330	4/01/87	---	2.2	--	--
SQUAW FLAT	6240	3/27/87	43	16.4	25.4	27.9
SQUAW FLAT PILLOW	6240	4/01/87	---	13.2	--	25.4
SQUAW MEADOW	5900	3/29/87	55	19.8	35.0	37.0
STURGILL RIDGE	6680	3/31/87	42	16.0	26.6	33.0
THORSON CABIN	5320	3/29/87	0	.0	9.0	15.3
TRINITY MOUNTAIN	7770	4/01/87	55	22.5	53.4	42.8
TRINITY MTN. PILLOW	7770	4/01/87	---	22.3	50.8	41.3
TRIPOD SUMMIT	5260	3/27/87	54	20.4	17.3	18.9
VIENNA MINE	8960	4/01/87	61	21.1	48.7	37.9
VIENNA MINE PILLOW	8960	4/01/87	---	19.1	43.8	37.8
WEST BRANCH	5560	4/02/87	29	11.0	20.8	25.6
WEST BRANCH PILLOW	5560	4/01/87	---	14.4	21.2	25.7

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST BASINS					WATERSHED IV	
BEAR CANYON	7900	3/31/87	36	10.4	22.7	19.3
BEAR CANYON PILLOW	7900	4/01/87	---	8.9	21.8	17.3
BENNETT MOUNTAIN	6560	3/29/87	29	8.9	22.8	18.1
BENNETT MTN PILLOW	6560	4/01/87	---	10.3	--	20.0
CAMAS CREEK DIVIDE	5710	3/29/87	0	.0	7.5	10.2
CHIMNEY CREEK	6400	3/29/87	16	5.3	15.1	13.4
COPPER BASIN	7640	3/31/87	15	4.2	12.0	10.5
COUCH SUMMIT	6840	3/29/87	26	7.9	22.7	18.8
DOLLARHIDE SUMMIT	8420	4/01/87	46	14.0	31.6	25.4
DOLLARHIDE SM PILLOW	8420	4/01/87	---	14.7	34.5	26.0
DRY FORK	7220	3/27/87	21	6.3	20.0	16.3
FISHPOLE LAKE	9300	3/31/87	41	13.4	32.7	22.1
GALENA	7440	4/01/87	---	10.4E	22.8	19.0
GALENA PILLOW	7440	4/01/87	---	9.8	23.1	18.8
GALENA NEW	7470	3/30/87	38	11.3	25.5	21.3
GALENA SUMMIT	8780	3/30/87	46	14.0	28.8	24.4
GALENA SUMMIT PILLOW	8780	4/01/87	---	12.8	23.3	19.6
GARFIELD R.S.	6560	3/31/87	7	2.5	9.8	10.3
GARFIELD R.S. PILLOW	6560	4/01/87	---	4.5	13.5	10.4
GRAHAM RANCH	6270	3/30/87	23	7.1	18.2	14.5
HILTS CREEK	8000	3/31/87	29	7.8	14.0	11.6
HILTS CREEK PILLOW	8000	4/01/87	---	8.3	15.1	13.5
HYNDMAN CREEK	7440	3/31/87	26	8.1	17.3	14.5
HYNDMAN PILLOW	7440	4/01/87	---	8.3	17.4	13.2
IRON BOG	7650	3/27/87	18	5.8	13.1	13.5
IRON MINE CREEK	6300	4/02/87	11	4.0	16.0	11.1
LEADBELT	6700	3/27/87	12	3.9	7.6	9.4
LEATHERMAN PASS	9860	4/01/87	60	18.6	24.6	24.8
LITTLE CAMAS FLAT	4940	3/29/87	0	.0	.0	4.0
LOST-WOOD DIVIDE	7900	3/31/87	40	12.0	30.3	24.0
LOST-WOOD DVD PILLOW	7900	4/01/07	---	11.4	31.2	25.3
MASCOT MINE	7780	3/31/87	26	7.2	18.7	15.4
MOONSHINE	7440	3/30/87	19	5.1	8.8	10.7
MOONSHINE PILLOW	7440	4/01/87	---	6.3	11.7	11.4
MOUNT BALDY	8920	3/27/87	48	11.0	23.8	21.7
MULDOON	6320	3/31/87	4	1.2	2.7	6.9
SAWMILL CANYON	7000	3/30/87	15	4.5	5.8	7.9
SOLDIER R.S.	5740	3/29/87	5	2.2	11.3	10.6
SOLDIER R.S. PILLOW	4330	4/01/87	---	2.2	--	--
STICKNEY MILL	7430	3/31/87	17	5.5	11.3	10.4
STICKNEY MILL PILLOW	7430	4/01/87	---	4.2	10.7	.0
SWEDE PEAK	7640	4/01/87	29	8.4	21.4	18.3
SWEDE PEAK PILLOW	7640	4/01/87	---	8.1	20.3	16.4
TELFER RANCH	5840	4/01/87	0	.0	8.7	7.0
VIENNA MINE	8960	4/01/87	61	21.1	48.7	37.9
VIENNA MINE PILLOW	8960	4/01/87	---	19.1	43.8	37.8
WET CREEK SUMMIT	7680	3/31/87	24	6.4	11.4	12.8
WILLOW, BLACKFOOT, UPPER SNAKE AND PORTNEUF BASINS					WATERSHED V	
AFTON RANGER STATION	6240	3/30/87	0	.0	.0	1.7
ALLEN RANCH	6470	3/30/87	18	7.2	13.4	10.4
ARIZONA	6820	4/01/87	---	10.8E	21.2	20.2
ASPEN GROVE	6500	4/01/87	---	7.8E	10.9	12.6
ASTER CREEK	7750	3/31/87	49	15.9	41.5	31.1
AUSTIN BROTHERS RNCH	6400	3/30/87	14	4.6	11.4	8.8
BASE CAMP	7030	3/30/87	41	13.0	26.5	20.7
BASE CAMP PILLOW	7030	4/01/87	---	11.6	21.3	18.9
BEAVERDAM CREEK	6120	3/26/87	10	2.7	8.0	9.7
BIG SPRINGS	6400	3/31/87	33	12.4	19.0	21.4
BIRCH CREEK	6800	3/30/87	19	6.8	6.9	11.4
BLACK BEAR	7950	3/25/87	70	20.2	49.4	43.2
BLACK CANYON	7960	3/30/87	59	20.2	35.7	--
BLACK MOOSE	8160	3/30/87	64	22.4	42.0	40.1
BLACKROCK	8900	4/01/87	---	18.9E	26.5	22.4
BLIND BULL SUMM AM	8650	3/30/87	58	18.0	35.6	27.3
BLIND BULL PILLOW	8650	4/01/87	---	15.0	44.6	26.0
BLUE LEDGE MINE	6900	3/28/87	37	10.6	15.0	17.5
BLUE RIDGE	6780	3/30/87	31	12.6	20.9	19.6
BONE	6200	3/30/87	9	2.9	.0	6.8
BROCKMAN STATION	6430	3/30/87	19	7.5	8.0	9.2
BRYAN FLAT	6420	3/30/87	25	6.9	10.6	9.2
CAMP CREEK	6580	3/27/87	18	6.2	7.2	11.6
CCC CAMP	7000	3/30/87	26	8.4	16.6	12.9
COTTONWOOD LAKE AM	7600	3/30/87	36	10.8	16.3	18.0
COTTONWOOD CR PILLOW	7600	4/01/87	---	14.7	--	--
COULTER CREEK	7020	3/26/87	36	11.0	25.5	22.7
COULTER CREEK PILLOW	7020	4/01/87	---	10.5	--	24.4
COLD SPRINGS	7000	3/26/87	39	11.4	22.8	22.9
CRAB CREEK	6860	3/28/87	33	9.5	13.5	16.7
CRAB CREEK PILLOW	6860	4/01/87	---	8.8	13.7	17.2
DARBY CANYON	8250	3/30/87	53	17.9	--	24.1
DEMPSEY CREEK	6100	4/01/87	---	7.0E	13.6	13.0
EAST CREEK	7000	3/29/87	22	6.7	21.0	11.9
EAST RIM DIVIDE	7930	3/31/87	36	10.6	17.0	13.3
EAST RIM PILLOW	7930	4/01/87	---	10.9	18.5	15.0
ELBO RANCH	7100	3/26/87	36	8.9	15.0	11.3
FALL CREEK	6820	3/30/87	15	5.7	.0	9.7
FOUR MILE MEADOWS	7860	3/30/87	37	10.2	13.6	13.4
GLADE CREEK	7040	3/31/87	41	14.3	27.8	23.7
GRASSY LAKE	7270	3/31/87	57	21.6	40.4	36.2
GRASSY LAKE PILLOW	7270	4/01/87	---	18.6	39.1	37.5
GREYS BOUNDARY	5720	3/28/87	22	6.4	7.6	11.7
GROS VENTRE SUMMIT	8750	3/30/87	41	9.9	17.1	12.1
GROS VENTRE PILLOW	8750	4/01/87	---	8.2	20.6	15.0
GROVER PARK DIVIDE	7000	3/30/87	19	7.2	12.4	12.8
HUCKLEBERRY DIVIDE	7300	3/30/87	44	13.4	25.2	22.0
INDIAN MEADOWS	9420	3/30/87	64	22.1	--	38.6
IRVING CREEK	7040	3/28/87	20	5.0	5.6	5.8
ISLAND PARK	6290	3/31/87	29	11.3	15.7	17.3
ISLAND PARK PILLOW	6290	4/01/87	---	10.2	16.2	16.6
JACKPINE CREEK	7350	3/30/87	40	13.6	--	22.5
JOHNSON CREEK	6730	3/30/87	29	8.7	18.0	14.3
KILGORE	6320	3/28/87	21	7.4	10.4	11.8
LATHAM SPRINGS	7630	3/30/87	50	18.0	35.0	33.8
LAVA CREEK	7350	3/30/87	30	10.1	16.8	15.1
LEWIS LAKE DIVIDE	7850	3/31/87	61	22.6	52.2	42.7
LOWER PEBBLE	5780	3/26/87	17	5.4	13.8	13.4
LUCKY DOG	6860	3/30/87	44	15.2	27.6	34.4
MADISON PLATEAU	7750	3/25/87	50	14.9	28.7	24.1
MC RENOLDS RESERVOIR	6720	3/30/87	31	10.7	16.4	20.2
MINK CREEK	6410	3/27/87	32	10.9	19.8	19.2
MORAN	6750	3/30/87	24	8.1	15.1	12.9
MUD CREEK	7100	3/30/87	46	16.1	24.6	19.8
NORTH PUTNAM	7240	4/01/87	47	15.9	28.8	29.0
PACKSADDLE SPRING	8200	3/30/87	53	18.4	35.6	30.3
PEBBLE CREEK	6550	3/26/87	23	7.3	15.0	16.4
PHILLIPS BENCH	8200	3/31/87	62	20.0	40.8	30.5
PHILLIPS BENCH PILL.	8200	4/01/87	---	17.4	37.8	29.0
PINE CREEK PASS	6810	4/01/87	28	10.2	14.9	17.8
POISON MEADOWS	8500	3/30/87	61	17.7	40.7	29.6
PUTNAM	7220	3/26/87	35	10.5	23.3	21.4
SALT RIVER SUMMIT	7700	3/30/87	31	9.2	22.8	16.5
SALT RIVER PILLOW	7700	4/01/87	---	7.6	21.1	16.2
SAWTELL MOUNTAIN	8720	3/31/87	70	23.7	42.9	36.5
SEDGEWICK PEAK	7850	3/27/87	35	9.0	28.8	18.6
SHEEP MOUNTAIN	6570	3/30/87	21	7.8	11.8	14.1
SHEEP MTN PILLOW	6570	4/01/87	---	8.0	11.3	16.6
SLUG CREEK DIVIDE	7230	3/31/87	26	8.8	22.9	17.6
SLUG CK DVD PILLOW	7230	4/01/87	---	9.1	24.3	20.0
SNAKE RIVER STATION	6920	3/31/87	36	11.8	24.7	21.5
SNOW KING MTN	7660	3/30/87	34	10.6	19.3	15.5
SOMSEN RANCH	6840	3/30/87	30	9.5	18.6	15.1
SOMSEN RANCH PILLOW	6800	4/01/87	---	7.7	14.0	14.8
SPRING CRK. PILLOW	9000	4/01/87	---	17.1	42.7	23.8
STATE LINE	6660	4/01/87	29	10.4	16.3	15.0
SULPHUR PEAK	7070	3/30/87	27	9.2	20.4	16.9
TARGHEE PASS	6980	4/01/87	---	9.8E	11.2	16.1
TETON PASS W.S.	7740	3/31/87	63	21.4	36.8	26.8
TEX CREEK	6650	4/01/87	---	4.7E	6.4	10.2
THUMB DIVIDE	7980	3/31/87	38	10.8	27.8	21.2
TOGWOTEE PASS	9580	3/30/87	76	25.3	35.6	30.0
TOGWOTEE PASS PILLOW	9580	4/01/87	---	20.4	30.6	25.7
TOPONCE	6160	3/26/87	17	5.6	7.8	17.1
TURPIN MEADOWS	6900	3/30/87	24	9.0	10.8	10.4
TWITCHELL CANYON	6300	4/01/87	29	9.2	10.2	16.9
TWO OCEAN PILLOW	9160	4/01/87	---	19.0	--	28.8
VALLEY VIEW	6680	3/31/87	33	11.0	12.4	17.7
WEBBER CREEK	6700	3/28/87	18	4.8	6.0	6.0
WHISKEY CREEK	6800	3/25/87	42	13.1	23.2	21.8
WHITE ELEPHANT	7710	3/31/87	51	16.0	31.3	26.6
WHITE ELEPHANT PILL	7710	4/01/87	---	16.5	34.0	27.8
WILDHORSE DIVIDE	6490	3/27/87	32	11.0	15.9	17.9
WILDHORSE DVD PILLOW	6490	4/01/87	---	9.9	16.5	.0
WILLOW CREEK	8450	3/30/87	59	21.0	--	31.2
WILLOW CRK PILLOW	8450	4/01/87	---	14.8	40.5	27.8
WOOD CANYON DIVIDE	7450	3/30/87	34	9.9	25.1	19.8
SOUTHSIDE SNAKE BASIN					WATERSHED VI	
ANTELOPE RIDGE	6180	3/26/87	0	.0	.0	6.3
BADGER GULCH	6660	3/25/87	25	8.8	16.1	13.5
BATTLE CREEK AM	5720	3/25/87	0	.0	--	.0
BEAR CREEK	7800	3/31/87	53	17.2	22.7	22.2
BEAR CK SNOTEL	7800	4/01/87	---	14.3	22.4	33.9
BIG BENO	6700	3/30/87	13	4.0	9.5	9.0
BOSTETTER R.S.	7500	3/25/87	40	12.2	29.4	20.6
BOSTETTER RS PILLOW	7500	4/01/87	---	10.1	19.5	18.7
BOY SCOUT CAMP	7740	3/25/87	36	11.0	19.2	17.0
BULL BASIN AM	5460	3/25/87	0	.0	--	.6
CEDAR CREEK	6820	3/31/87	19	6.6	6.2	10.5
CLEAR CREEK MEADOWS	9420	3/24/87	60	17.4	23.4	24.1
DEADLINE	7400	3/31/87	33	12.6	12.8	22.9
DEADLINE SOUTH	7450	3/31/87	53	20.9	31.1	25.1
FOX CREEK	6800	3/31/87	25	8.3	6.9	10.5
FRY CANYON	6700	3/30/87	11	3.8	5.4	6.9
GEORGE CREEK	8840	3/25/87	54	16.2	26.6	--
GOAT CREEK	8800	3/31/87	47	14.3	19.6	19.2
GOLD CREEK	6600	3/30/87	3	.9	1.8	5.3
HOWELL CANYON	7980	3/25/87	55	18.4	40.2	26.7
HOWELL CANYON PILLOW	7980	4/01/87	---	12.9	35.6	22.7
HUMMINGBIRD SPRINGS	8950	3/31/87	60	18.6	28.5	24.7
HYDE PASTURE AM	5760	3/25/87	---	.1T	--	3.5
INDIAN GROVE	7560	3/25/87	27	7.8	13.4	13.1
JACK CREEK, LOWER	6800	3/30/87	4	1.4	.0	3.3
JACK CREEK, UPPER	7250	3/30/87	26	9.3	9.3	10.4
JACK CREEK #2,UPPER	7280	3/30/87	43	13.8	19.1	18.5
JACKS PEAK	8420	3/30/87	56	17.1	32.7	26.8
JOHNSTON POND	6700	3/25/87	---	.1T	--	--
LANGFORD FLAT CREEK	5980	4/01/87	0	.0	.0	5.2
LAUREL DRAW	6700	3/30/87	20	6.8	7.9	8.4
LOGGER SPRINGS	8120	3/25/87	47	12.8	19.7	19.7
LOOKOUT BUTTE AM	5650	3/25/87	0	.0	.0	.0
LOUSE CANYON AM	6440	3/25/87	21	8.0	1.0	5.6
MAGIC MOUNTAIN	6880	3/31/87	32	11.2	21.3	20.1
MAGIC MTN PILLOW	6880	4/01/87	---	10.6	19.1	20.1
MUD FLAT	5730	3/26/87	9	3.6	3.2	5.3
MUD FLAT PILLOW	5730	4/01/87	---	.0	2.3	4.8
ONE MILE SUMMIT	7330	3/25/87	14	3.2	4.9	7.7
OREGON CANYON AM	6950	3/25/87	12	3.8	1.5	5.8
O'NEIL CREEK	6540	4/01/87	0	.0	.0	--
POLE CREEK R.S.	8330	3/31/87	53	17.4	21.6	22.0
QUINN RIDGE AM	6300	3/25/87	12	4.3	--	1.1
RED CANYON AM	6650	3/25/87	12	4.3	--	6.0
ROOED FLAT	6800	3/30/87	16	5.5	5.5	6.4
SEVENTYSIX CREEK	7100	3/30/87	24	9.0	14.4	12.6
SEVENTYSIX CK SNOTEL	7100	3/30/87	19	6.7	12.5	--
SHOSHONE BASIN	5810	4/01/87	0	.0	.0	4.9
SILVER CITY	6400	3/26/87	35	11.6	19.0	16.0

SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
SOUTH MOUNTAIN	6500	3/26/87	20	7.5	18.6	14.7
SOUTH MTN PILLOW	6500	/41/87	---	12.2	22.1	14.5
SUBLETT	5950	3/25/87	18	5.8	12.0	11.3
SUCCOR CREEK AM	6100	3/25/87	27	10.3	--	6.8
TAYLOR CANYON	6200	3/30/87	0	.0	.0	3.7
VAUGHT RANCH AM	5830	3/25/87	0	.0	--	1.7
VIPONT	7670	3/25/87	34	9.8	20.0	16.5
WAR EAGLE	7280	3/25/87	36	10.8	--	23.3
WILSON CREEK	7500	3/31/87	28	10.2	10.5	13.4
GREAT BASIN					WATERSHED VII	
BURT'S-MILLER RANCH	7900	3/25/87	18	5.1	3.6	6.0
CHRISTENSEN RANCH	5560	4/01/87	---	.0E	5.6	8.1
CLIFF CANYON	7200	3/24/87	8	1.8	3.4	10.5
CUB RIVER R.S.	5450	3/24/87	11	3.7	--	7.3
DANIELS CREEK	6270	3/24/87	9	2.2	.7	5.2
DRY BASIN	7820	3/24/87	53	15.6	36.1	30.6
DRY BREAD POND	8350	3/24/87	31	7.7	24.9	19.5
DRY CREEK FLAT	6360	3/24/87	0	.0	.9	5.8
EMIGRANT SUMMIT	7390	3/30/87	40	12.1	37.3	25.9
EMIGRANT SUM PILLOW	7390	4/01/87	---	13.3	--	30.0
EMIGRATION CANYON	6500	3/30/87	19	6.2	12.8	11.1
FRANKLIN BASIN	8020	3/24/87	53	15.4	34.8	28.3
FRANKLIN BSN PILLOW	8040	4/01/87	---	17.4	41.3	31.8
GARDEN CITY SUMMIT	7600	3/24/87	33	7.9	24.9	18.3
GIVEOUT	6860	4/01/87	28	7.7	21.0	13.2
GIVEOUT PILLOW	6840	4/01/87	---	4.9	16.3	14.4
GIVEOUT NEW	6930	4/01/87	18	5.8	17.4	11.7
HAYDEN FORK	9400	3/25/87	46	11.2	19.5	16.0
HORSESHOE BASIN	8000	4/01/87	---	14.3E	31.5	28.5
KELLEY RANGER STA.	8180	3/30/87	45	12.0	28.6	18.5
KELLEY R.S. PILLOW	8180	4/01/87	---	9.3	30.0	16.4
LIBERTY SPRING	8600	3/24/87	69	21.0	57.7	40.2
LITTLE BEAVER	6790	4/01/87	30	8.6	23.5	16.2
LOWER ELKHORN	6960	3/24/87	17	5.1	15.3	14.0
LOWER HOME CANYON	7640	3/31/87	28	7.8	22.0	14.7
MONTE CRISTO R.S.	8960	3/24/87	47	13.9	32.0	25.8
MONTPELIER CREEK	6540	4/01/87	---	3.5E	9.7	8.2
OXFORD MOUNTAIN	6800	3/24/87	9	2.7	8.4	9.6
OXFORD SPRING	6740	3/24/87	8	2.5	11.9	10.7
OXFORD SPRING PILLOW	6740	4/01/87	---	1.7	11.4	12.6
SLUG CREEK DIVIDE	7230	3/31/87	26	8.8	22.9	17.6
SLUG CK DVO PILLOW	7230	4/01/87	---	9.1	24.3	20.0
STILLWATER CAMP	8550	3/26/87	35	7.7	12.3	11.0
STRAWBERRY CREEK	5820	3/30/87	0	.0	6.3	10.7
STRAWBERRY-MINK DVO	6720	3/24/87	31	9.5	28.2	22.4
UPPER ELKHORN	7140	3/24/87	35	8.8	25.8	19.7
UPPER HOME CANYON	8560	3/31/87	51	15.2	37.9	25.1
WILLOW FLAT	6070	3/24/87	23	6.9	--	15.5
WOOD CANYON DIVIDE	7450	3/30/87	34	9.9	25.1	19.8
WORM CREEK	6620	3/24/87	31	10.3	17.9	20.2

OTHER INFORMATION

FARMERS AND RANCHERS FACE WATER SHORTAGE THIS YEAR

Snow surveys taken near April 1 indicate that below to well below normal flows will occur on many streams across central and southern Idaho. Study this Water Supply Outlook Report carefully for streamflow and reservoir storage figures that concern your area.

Keep in touch with your irrigation district, reservoir manager, or others who monitor and regulate water supplies for estimates of the supply available to you. You may find you'll need to change crops, reduce planted acres, adjust tillage operations, or manage your livestock differently to conserve a short water supply.

Here are some water conservation tips to help make the best use of limited water supplies:

FARMERS

The type of crops you plant may need to be adjusted. Find out whether you will have a little water all season, or more in the spring and none later on. Vary crops accordingly. For example, alfalfa, corn and sugar beets need water all season. Wheat and barley need water early in the season.

Don't plant too early. Be sure the soil is warm enough for rapid and complete seed germination.

Consider using chemicals rather than tillage to control water-using weeds.

If you decide to plant fewer acres, plant drought tolerant cover crops on unplanted fields to protect from wind erosion.

IRRIGATORS

Know your soil type. This is your guide to rate and frequency of irrigation. Know precisely how fast your soil can accept water and its total water-holding capacity. This will help you decide how much water to apply at a given time.

If you have a conservation plan for your farm, or if the soil in your area has been mapped, the Soil Conservation Service can cross-check soil type and irrigation data and provide you with the water-holding capacity of your soil for a given crop.

Check your irrigation system carefully. Make certain ditches are cleared of water-wasting weeds or debris that slow delivery. Check sprinkler heads and nozzles for wear and leaks, pipes for tight connections, and valves for leaks.

Consider ditch lining or gated pipe. This will reduce the 10-90 percent loss which occurs in earth ditches.

DRYLAND FARMERS

Valley precipitation totals are below normal across central and southern Idaho: Soil moisture levels are below normal and good spring precip will be needed to bring moisture up to normal.

A conservation tillage system is your best protection. Leaving residues from the previous crop on the soil surface will retard runoff, increase absorption and percolation, and reduce evaporation.

Keep necessary tillage shallow. Delay spring tillage until absolutely essential to help conserve soil moisture.

Don't use turn plows or one-way discs. Use sweeps for the first necessary operation. Over-tillage will destroy residues and dry out the soil.

Use chemicals for weed control whenever possible.

RANCHERS

Consider adjusting livestock numbers to balance with the forage supply. Cull herds more than normal; sell calves and lambs early.

Determine forage needs and plan to buy needed supplements early.

Grow small grain for use as hay or pasture; it requires less water than conventional forage. Defer planting pasture, hay or range forage until a more favorable water year.

Check with the Soil Conservation Service and your local soil conservation district for details concerning your soil and water conservation problems. The next water supply forecast will be issued about May 1, 1987.

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

Idaho Department of Water Resources
Soil and Water Conservation Districts of Idaho

Federal

U.S. Department of Agriculture
Forest Service
U.S. Department of Army
Corps of Engineers
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey, Water Resources Division
Shoshone-Bannock Tribal Council

Local

Big Lost River Irrigation District
Big Wood Irrigation Company
Boise Project Board of Control
Idaho Water District #01
Lewiston Orchards Irrigation District
Little Wood River Irrigation District
North Board of Control — Owyhee Project
Salmon Falls Irrigation Company
South Board of Control — Owyhee Project

Private

Cyprus Mining Company
FMC Corporation
Idaho Power Company
Le Bois Resort
Washington Water Power Company

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

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